

Attachment 2

DRAFT

August 16, 1956

A draft of a contract is submitted for a survey directed to establishing a modern broadcasting system in the country of Libya. The contract is to be between the International Cooperation Administration, hereinafter referred to as the Government, and a radio consulting firm or group, hereinafter referred to as Consultants. The program for establishing the broadcasting system may be divided into three principal parts:

1. A detailed survey in Libya and a complete report, including recommendations for the preferred system and other possibilities.
2. Complete specifications for the system as recommended, with such changes as the Government may direct.
3. Letting of contracts, construction of the facilities, engineering supervision, training of personnel, and placing in operation of the facilities.

This contract pertains only to Part 1, but the Consultants must agree, if requested, to carry forward Part 2 and the engineering supervision under Part 3 under the same general terms and conditions as Part 1.

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1.0 - INTENT - That a survey be made of the requirements to establish a modern broadcasting system in the country of Libya. The system shall permit the Government of Libya to reach satisfactorily the

largest population centers in the coastal areas of the country.

The term modern broadcasting system as used herein shall include all facilities necessary for origination and simultaneous transmission of programs, including, but not necessarily limited to the following:

- a) Radio transmitting equipment
- b) Antenna systems for serving the areas designated
- c) Studios or centers of program origination
- d) Interconnection system for simultaneous program broadcasts and also for plant intercommunication
- e) Power plants or connections with existing power supplies as required for each transmitting facility
- f) Frequency and program fidelity monitoring facilities

A report covering the survey shall include complete information as required to meet the purpose hereinafter stated.

2.0 - REQUIREMENTS - Comprehensive consideration must be given to specific requirements as listed below:

- a) Frequency requirements for the system in keeping with the allocation and appropriate Treaties and Agreements in Regions 1 and 3.
- b) Due cognizance is to be given to the requirements to be met in the forthcoming international conferences in the European area in accordance with the information supplied by the Government to the Consultants.
- c) The system must be planned in light of the possibility that it may be eventually integrated into a Libyan communications network.

- d) The system must be planned for minimum cost of installation and maintenance so that it can as quickly as possible be supported by the Libyan Government.
- e) The design of the system must be such as to require a minimum of trained personnel for operation and maintenance in order to place a minimum drain on the technical personnel available in Libya.
- f) A preliminary report must be submitted on the frequencies selected, giving in detail any problems incident to the use of these frequencies, such as interference likely to be caused and received, directional antenna requirements and propagation characteristics for the purpose. This report is to be submitted to the Department of State for consideration and concurrence. Three (3) copies of this report must be submitted to the Government for transmittal to the Department of State.
- g) The final report shall be prepared in the highest professional manner. Fifteen (15) copies are required. This report shall contain such photographs, sketches, drawings and other material as required to permit an understanding of the system recommended. Maps showing locations of transmitting stations, coverage

expected and location of relay stations, if any, shall be included. Also, include typical building layouts for the various installations required, such as transmitters, receivers, interconnecting circuits, and other essential components.

- h) The report shall include staff requirements in general, and a discussion of availability of required personnel as established by the survey in Libya. Also, it shall supply the general requirements for establishing a training program for local nationals in the operation of the stations.
- i) Consideration shall be given to the receivers now available in Libya and the problems incident to further production of receivers of that type or of a simpler or appropriate type for reception of the system recommended. The cost and maintenance of the receivers recommended must be considered in terms of the economic scale of the listeners.
- j) Full consideration shall be given to the different systems of broadcasting, including amplitude modulation, frequency modulation, long wave, medium wave, tropical wave, and short wave. The system recommended shall be discussed in relation to the other possible systems.

3.0 - COVERAGE - Maps shall be supplied showing the coverage anticipated from the system recommended. If directional antennas are involved, patterns shall be included with a simple discussion of the antennas and any unusual problems involved.

4.0 - SCHEDULE - An estimate of the time required for completion of the program shall be submitted. The time schedule should be divided into the three principal parts as given in the preamble. As much detail as feasible, with contingencies, should be included.

5.0 - COST ESTIMATE - An estimate shall be made of the cost of Part 2 and Part 3 of the program. These costs are to be approximately only, but due consideration shall be given to the conditions obtaining in the area.